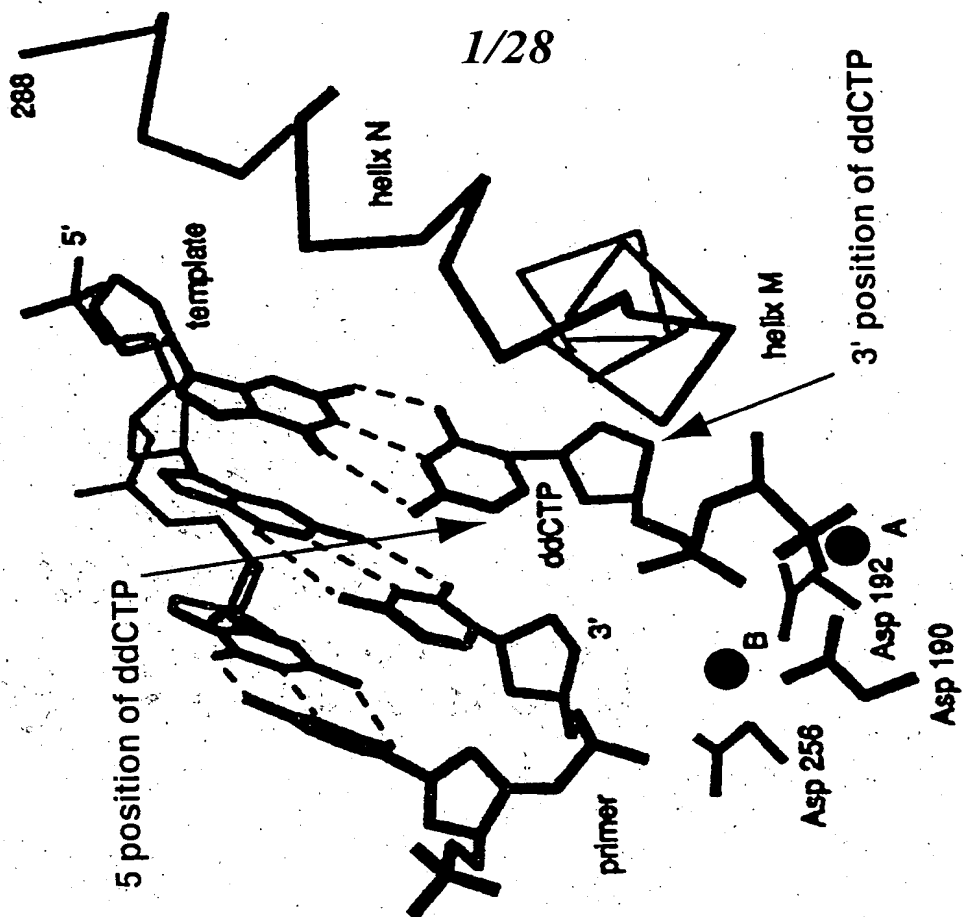
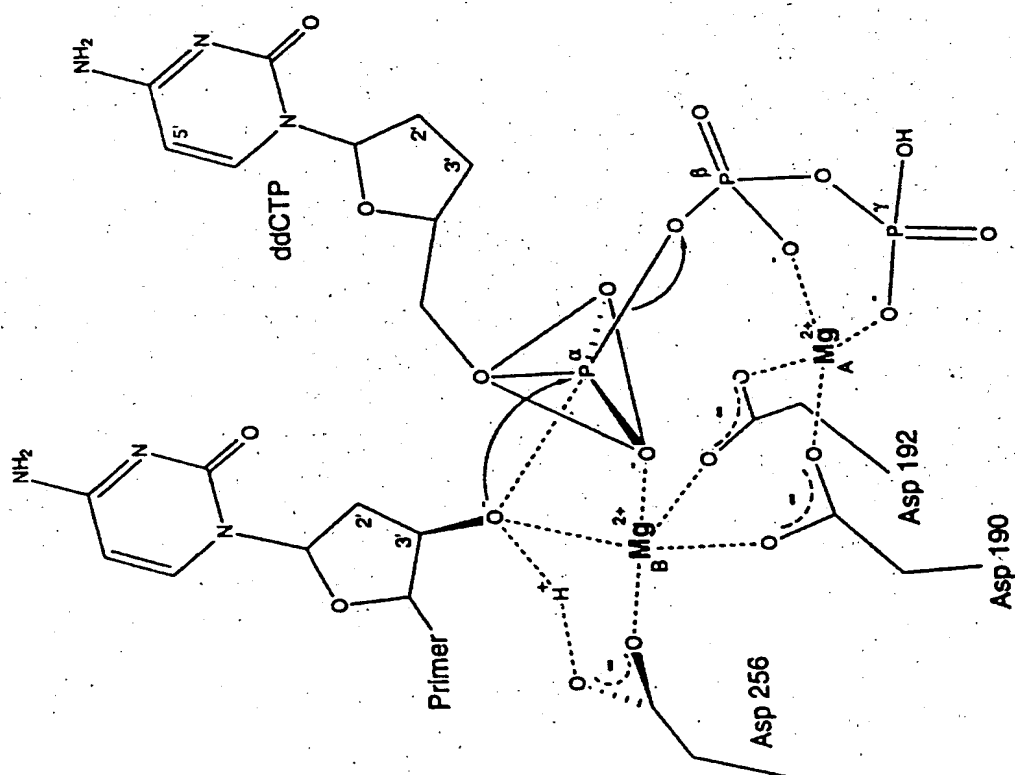


FIGURE 1



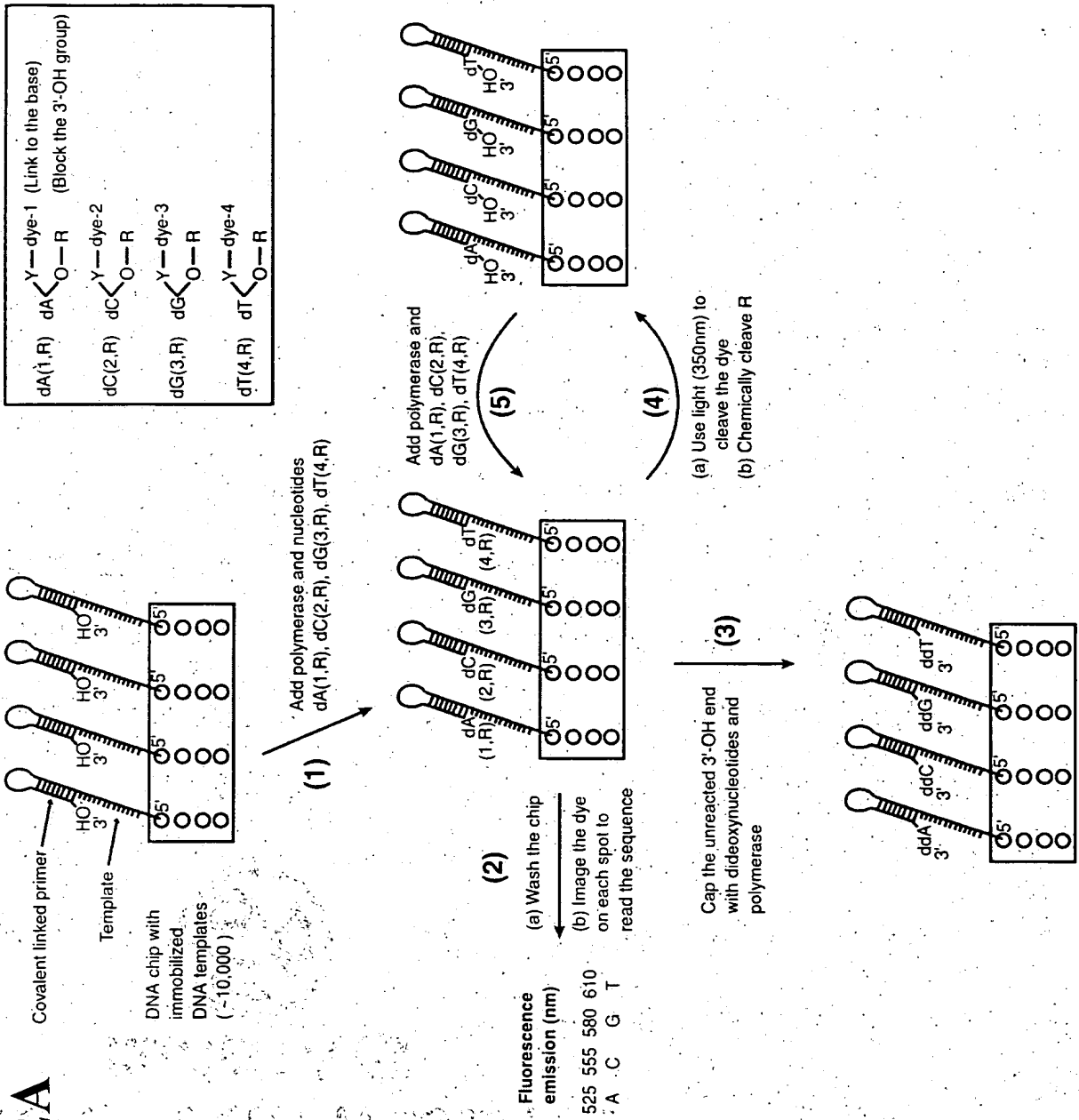


FIGURE 2B

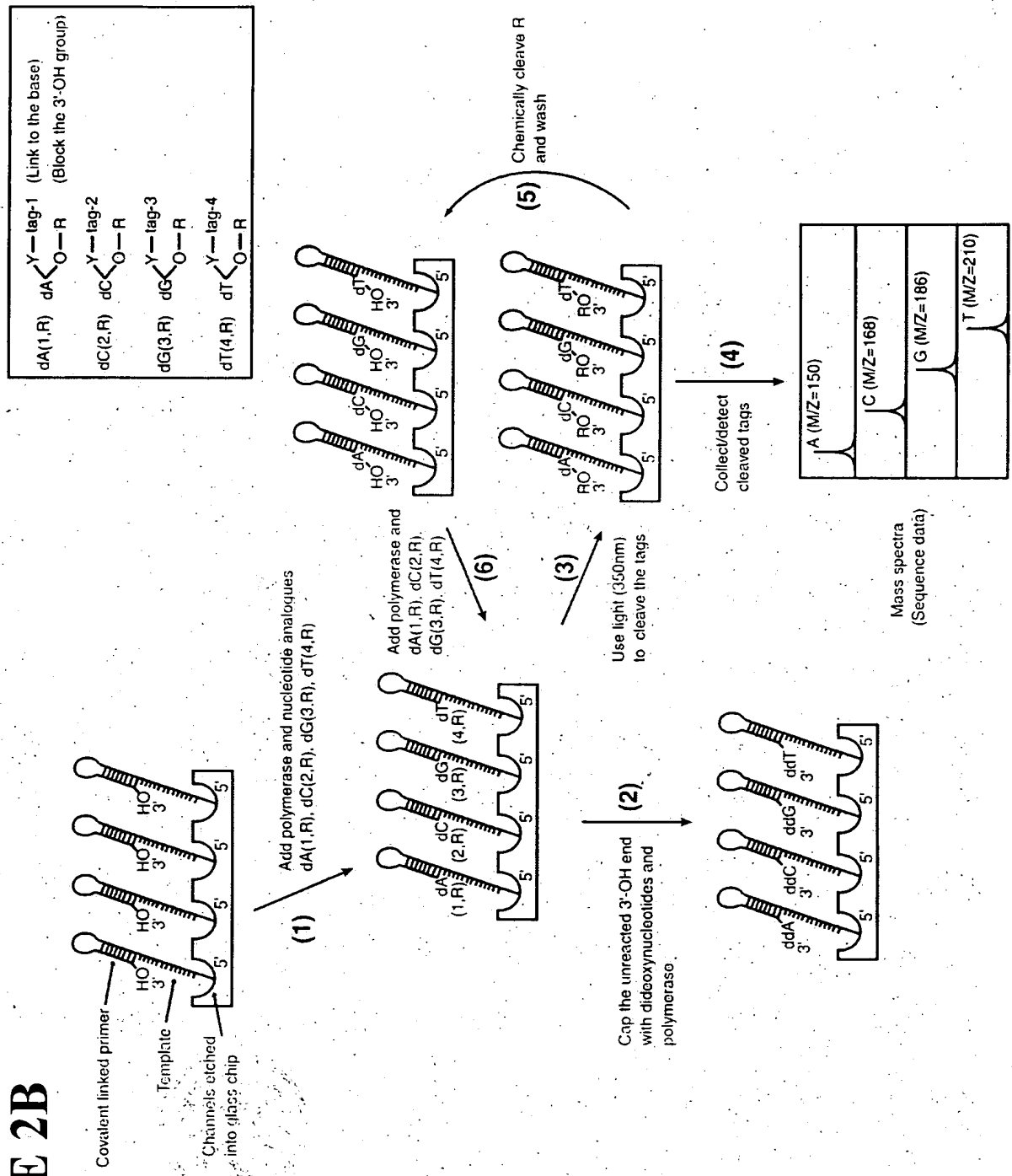
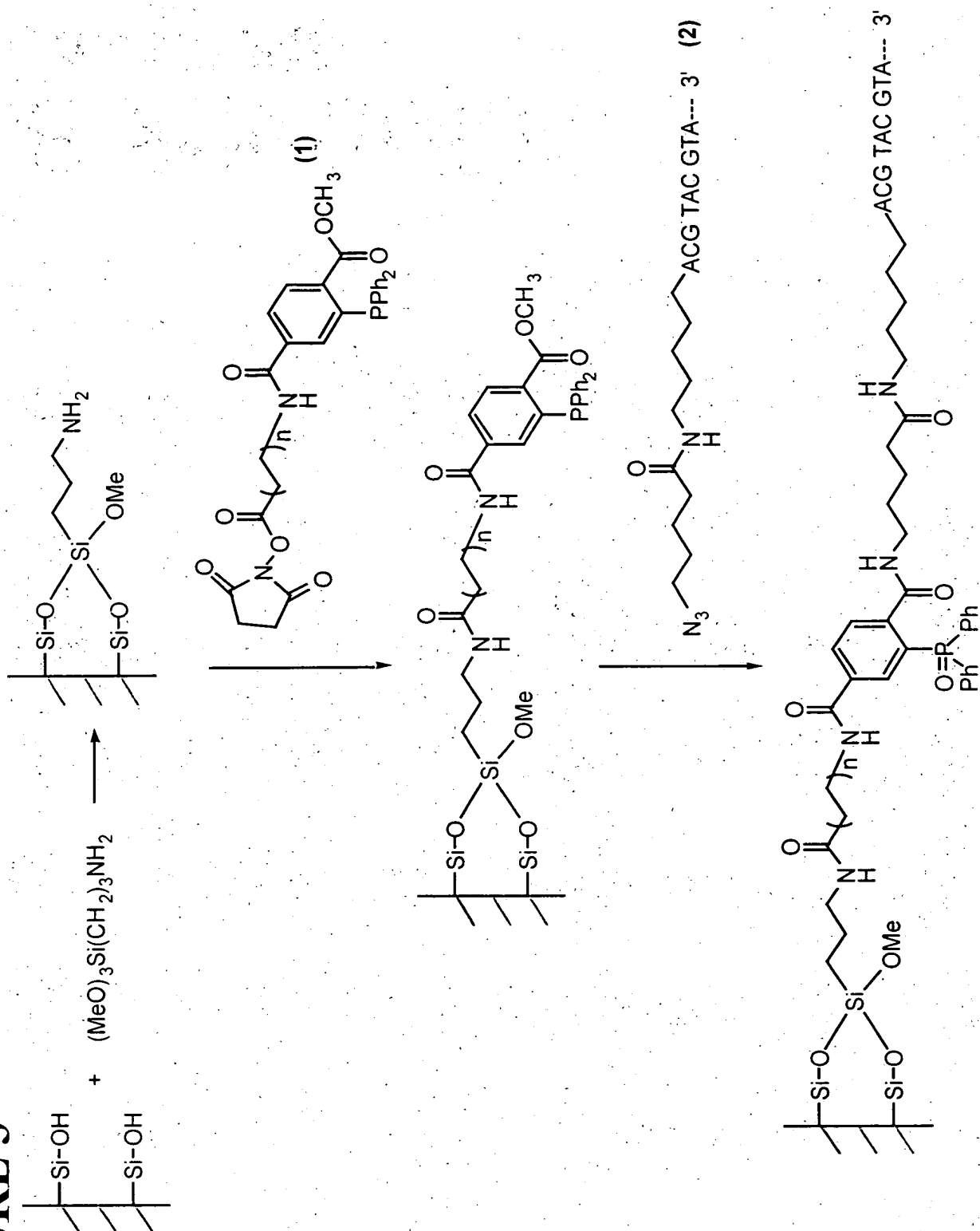
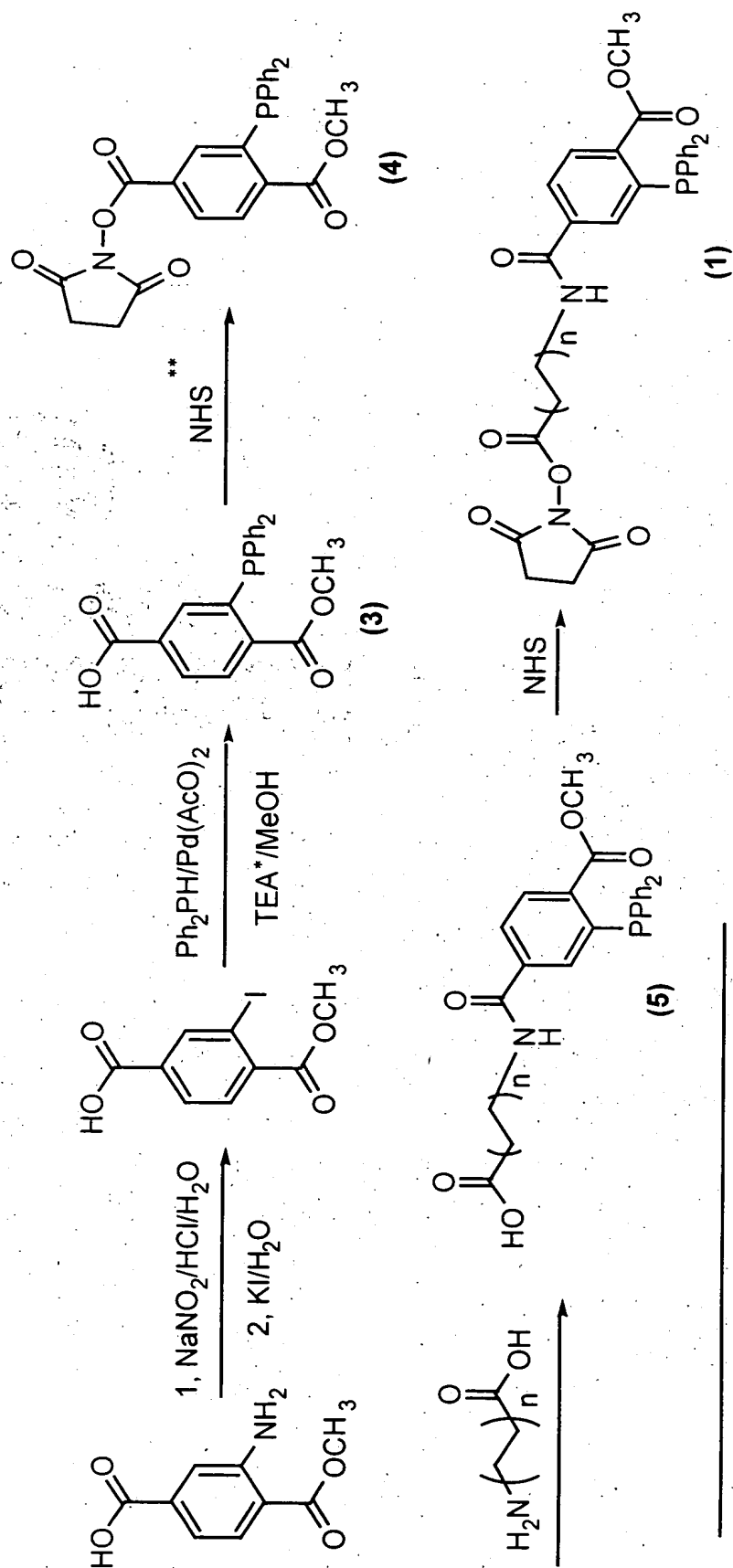


FIGURE 3



5/28

FIGURE 4



*TEA = Triethylamine, **NHS = N-Hydroxysuccinimide

FIGURE 6A

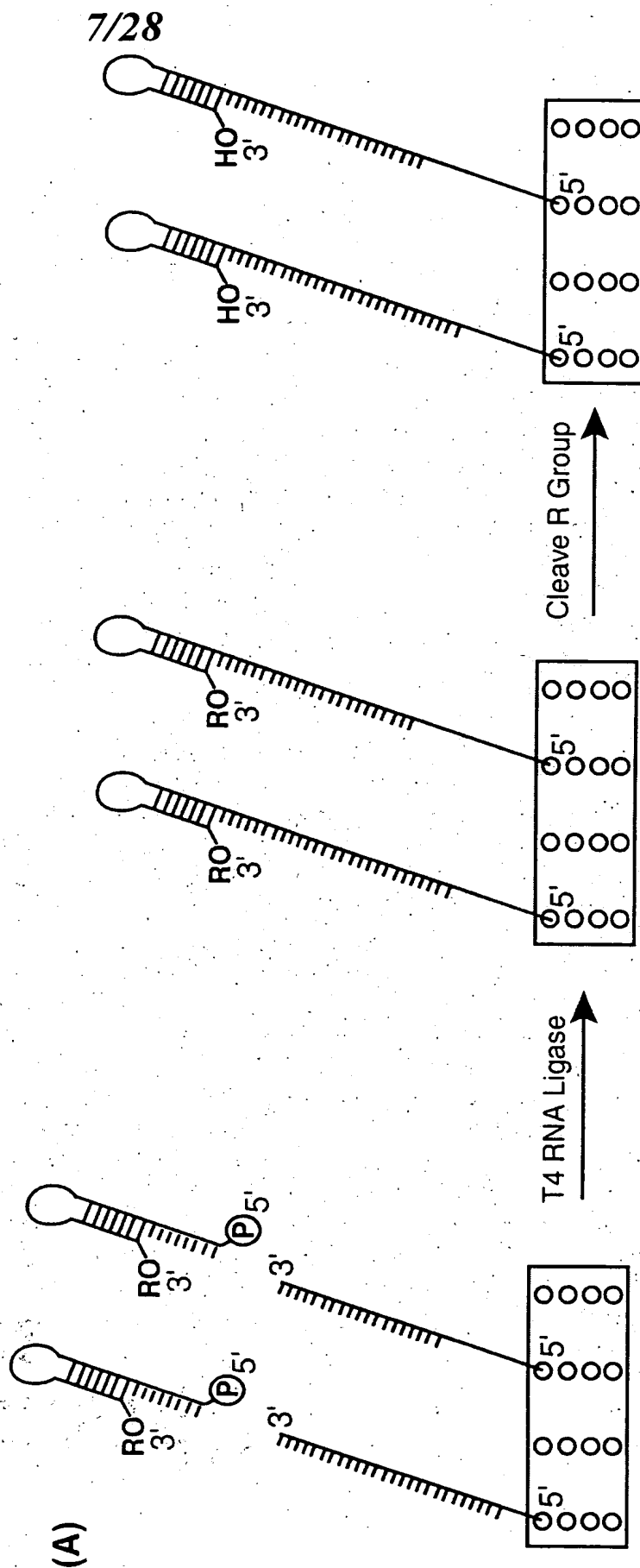
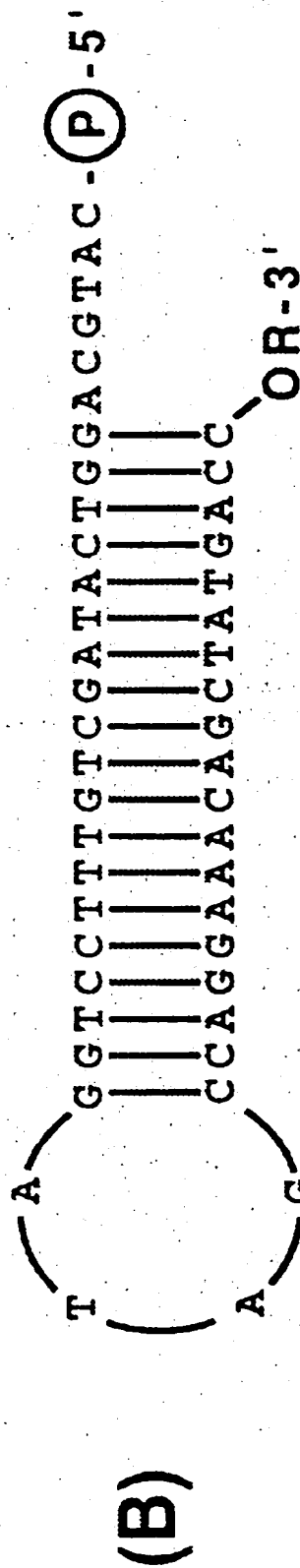
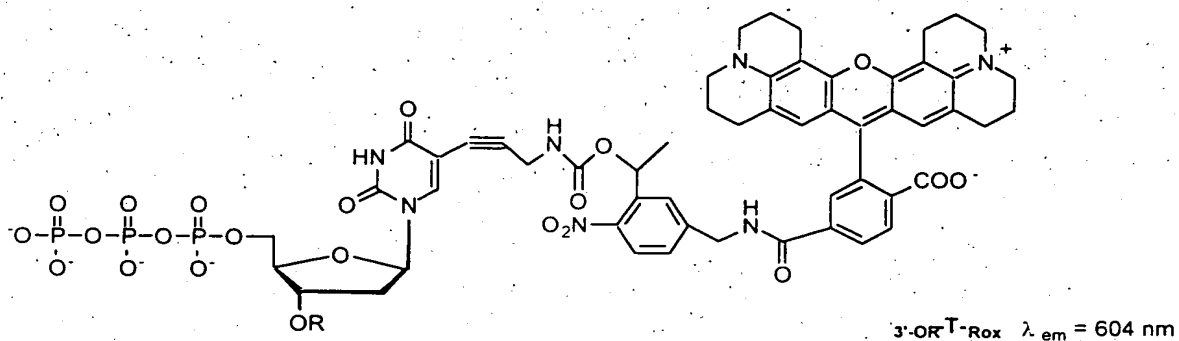
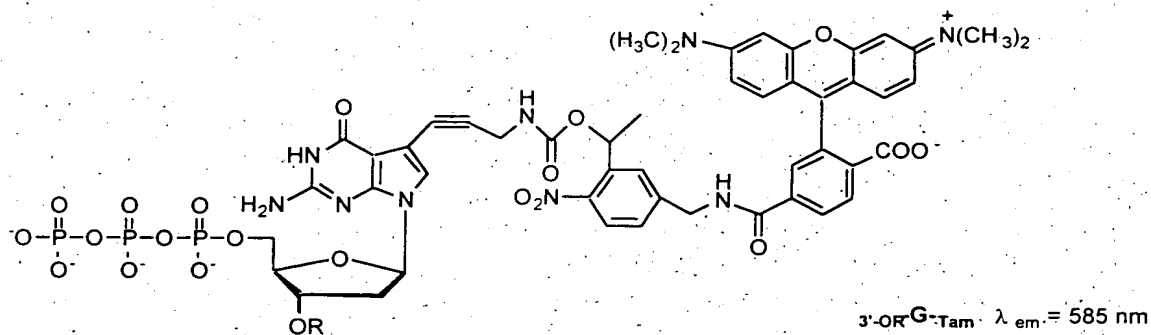
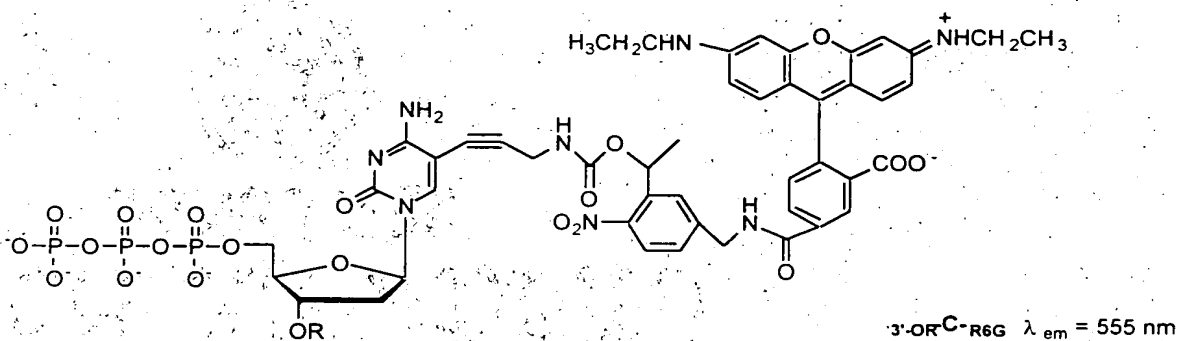
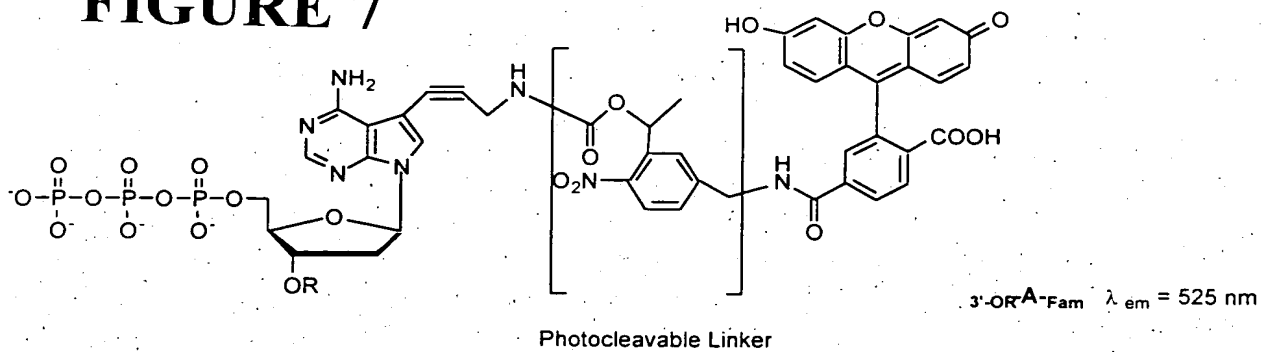


FIGURE 6B



9/28

FIGURE 7



R = H, CH_2OCH_3 (MOM) or $\text{CH}_2\text{-CH=CH}_2$ (Allyl)

10/28

FIGURE 8

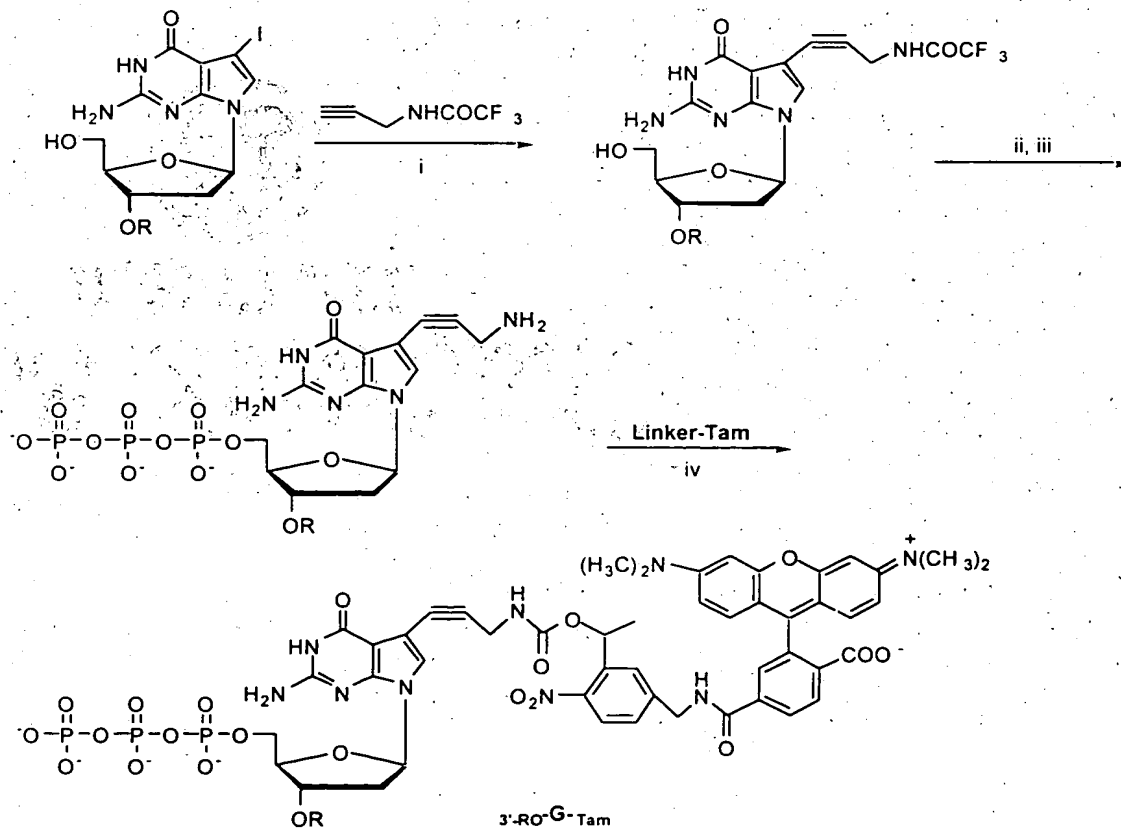
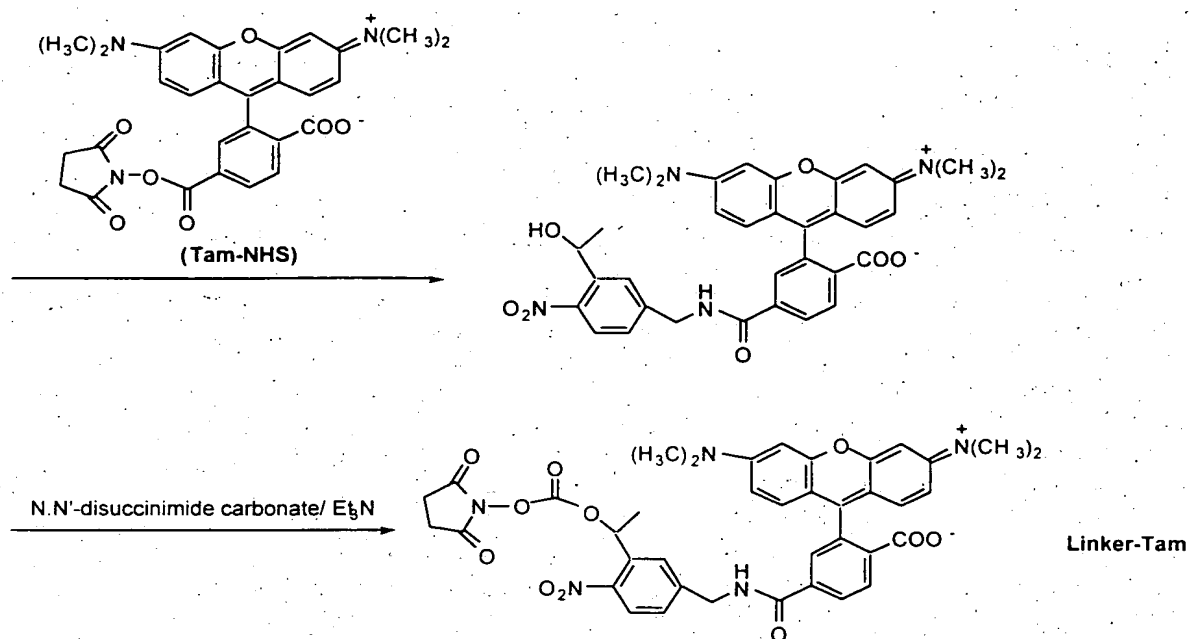
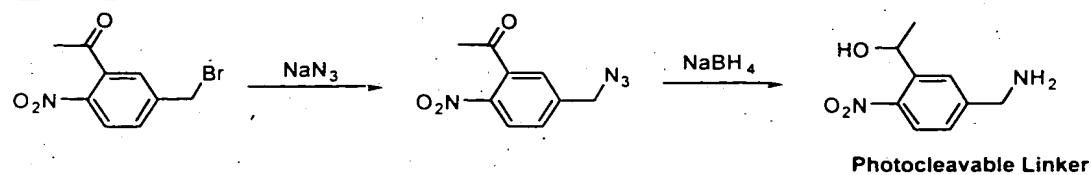


FIGURE 9

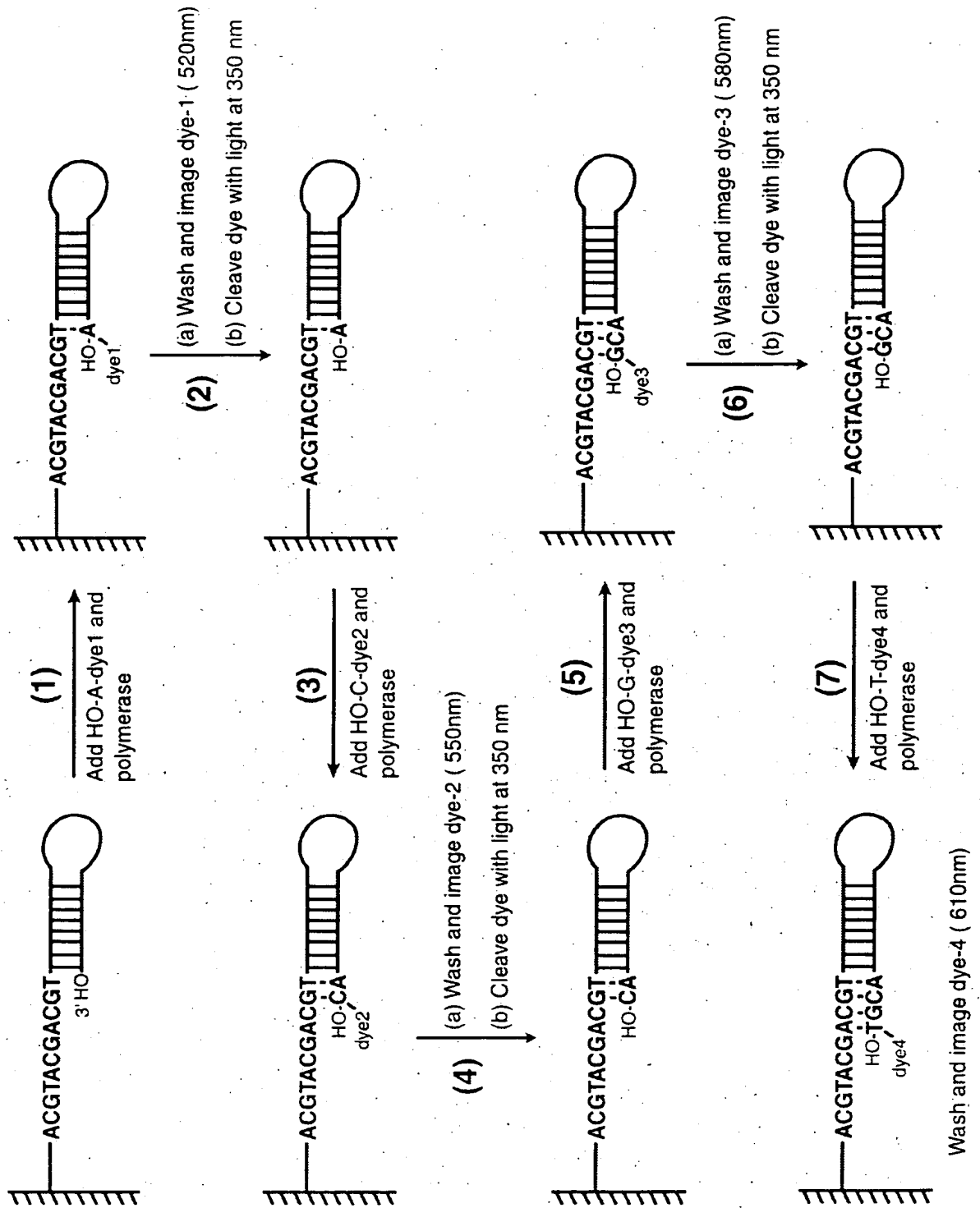


FIGURE 10

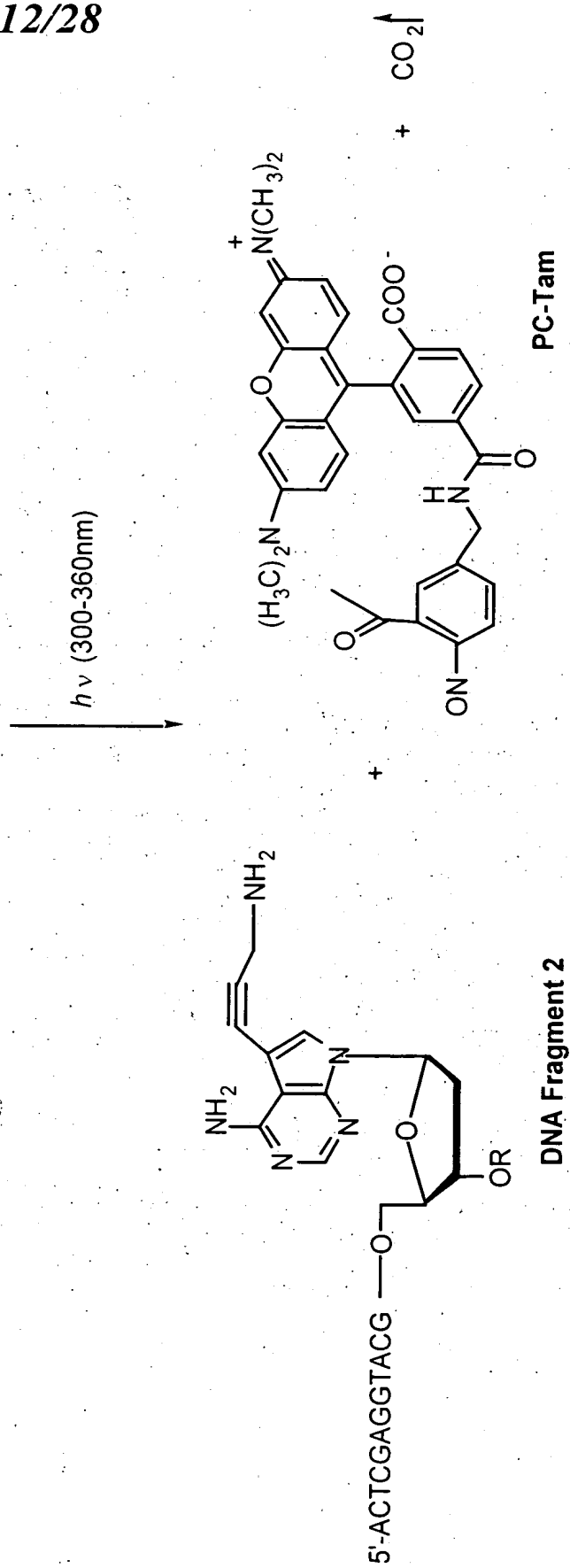
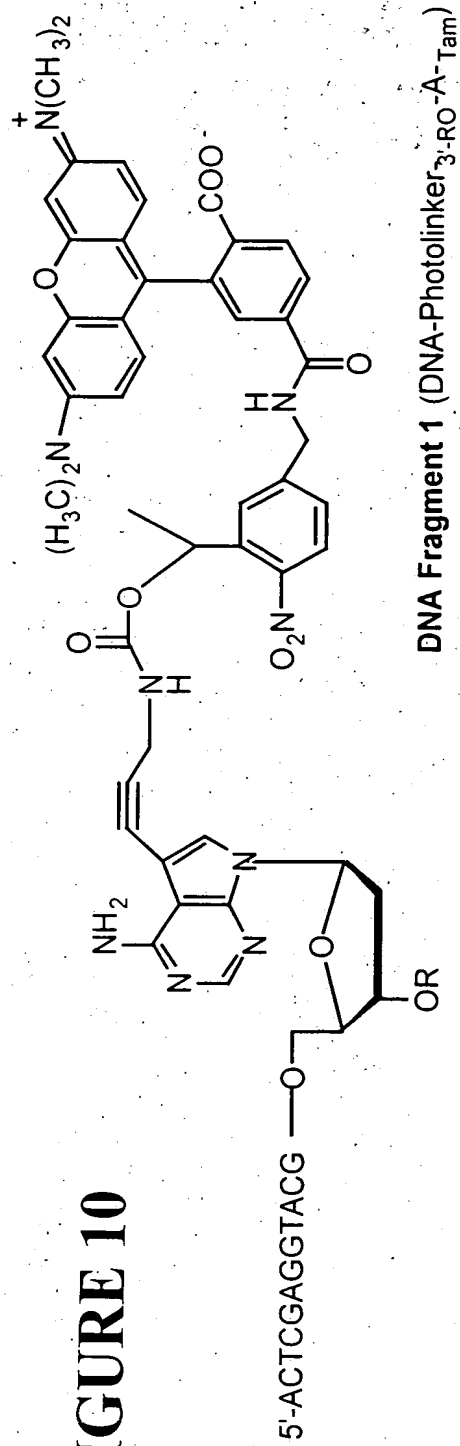
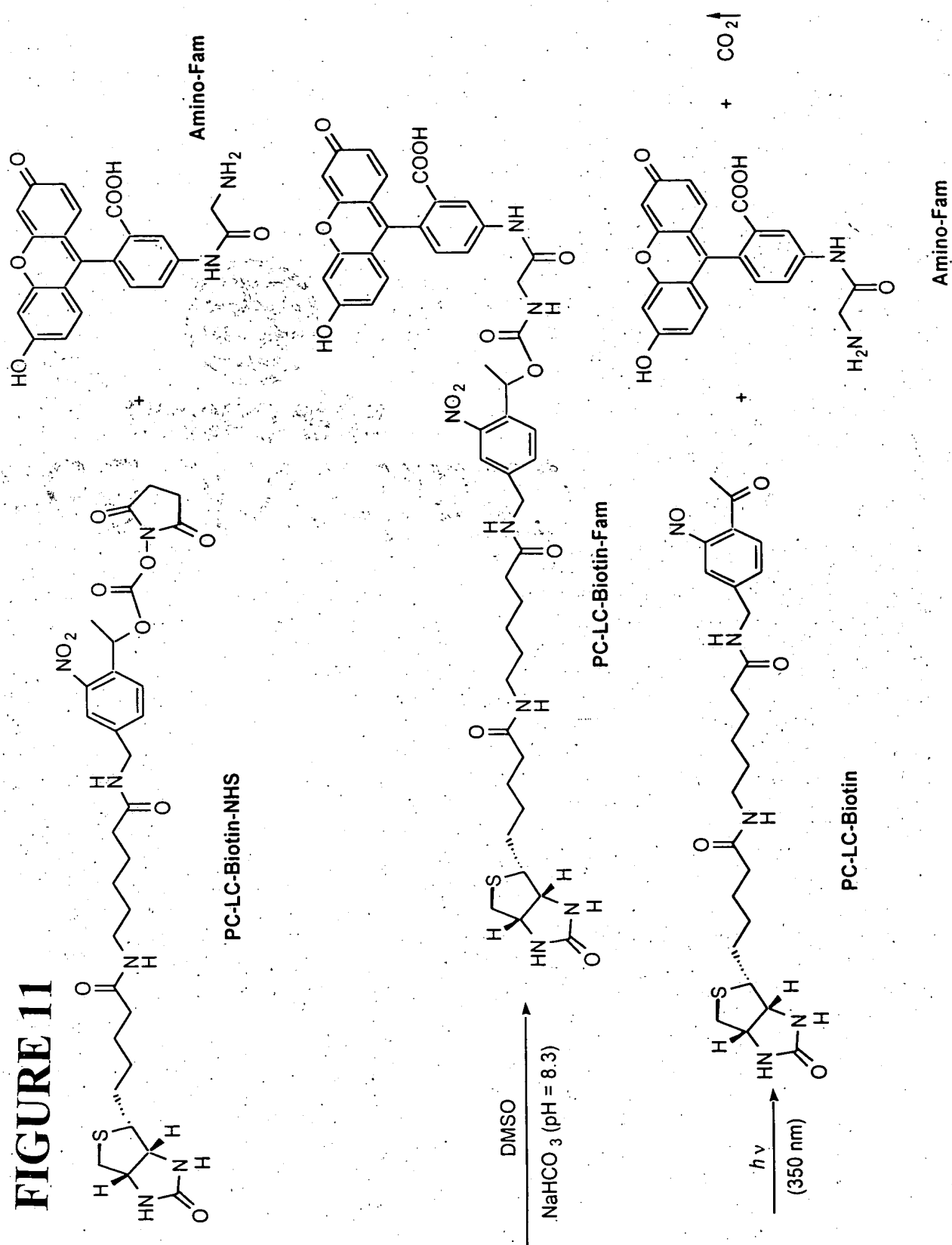


FIGURE 11

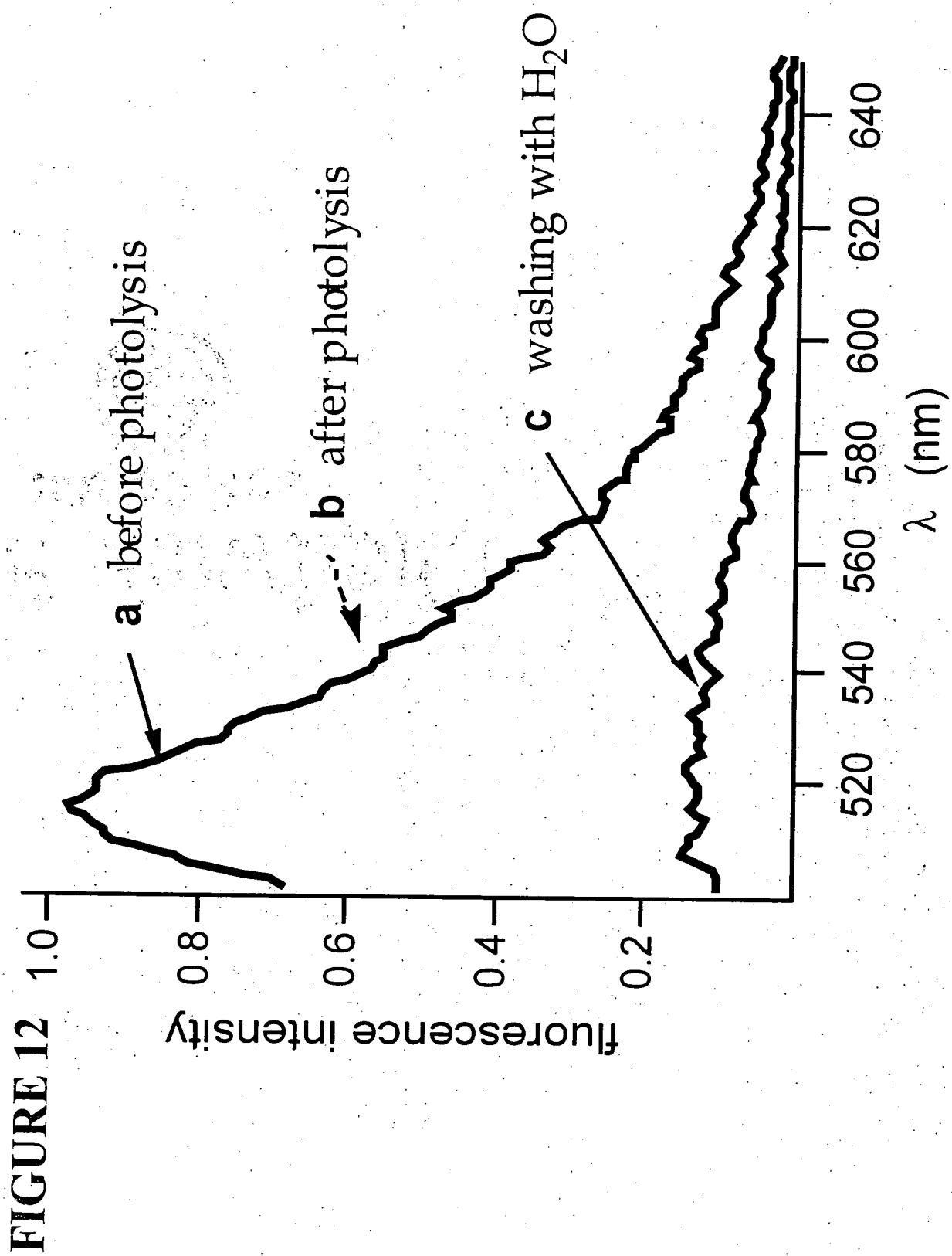
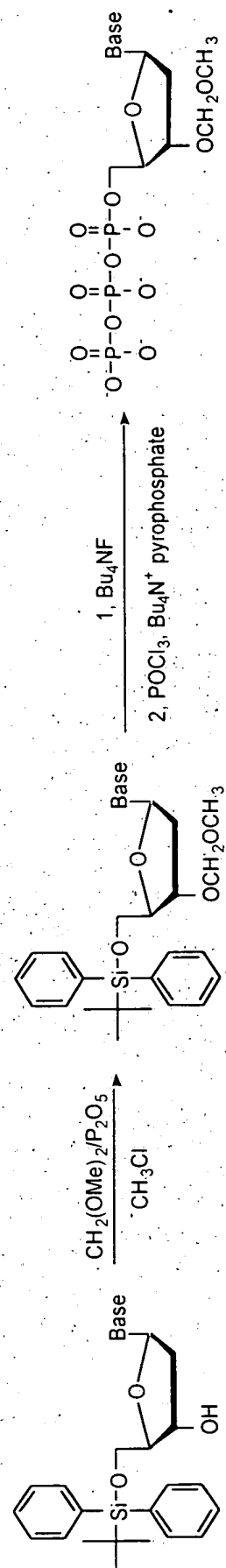


FIGURE 13A



(A)

FIGURE 13B

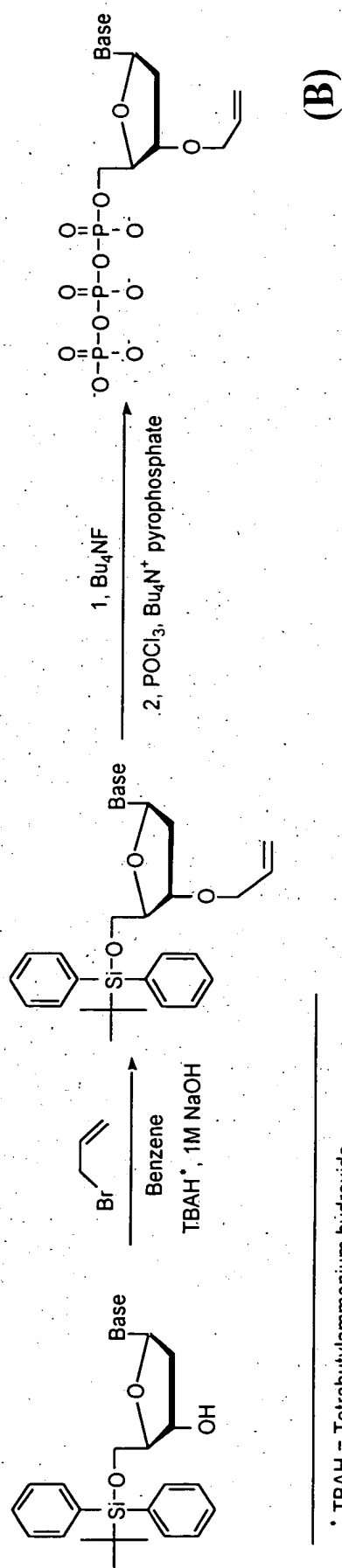
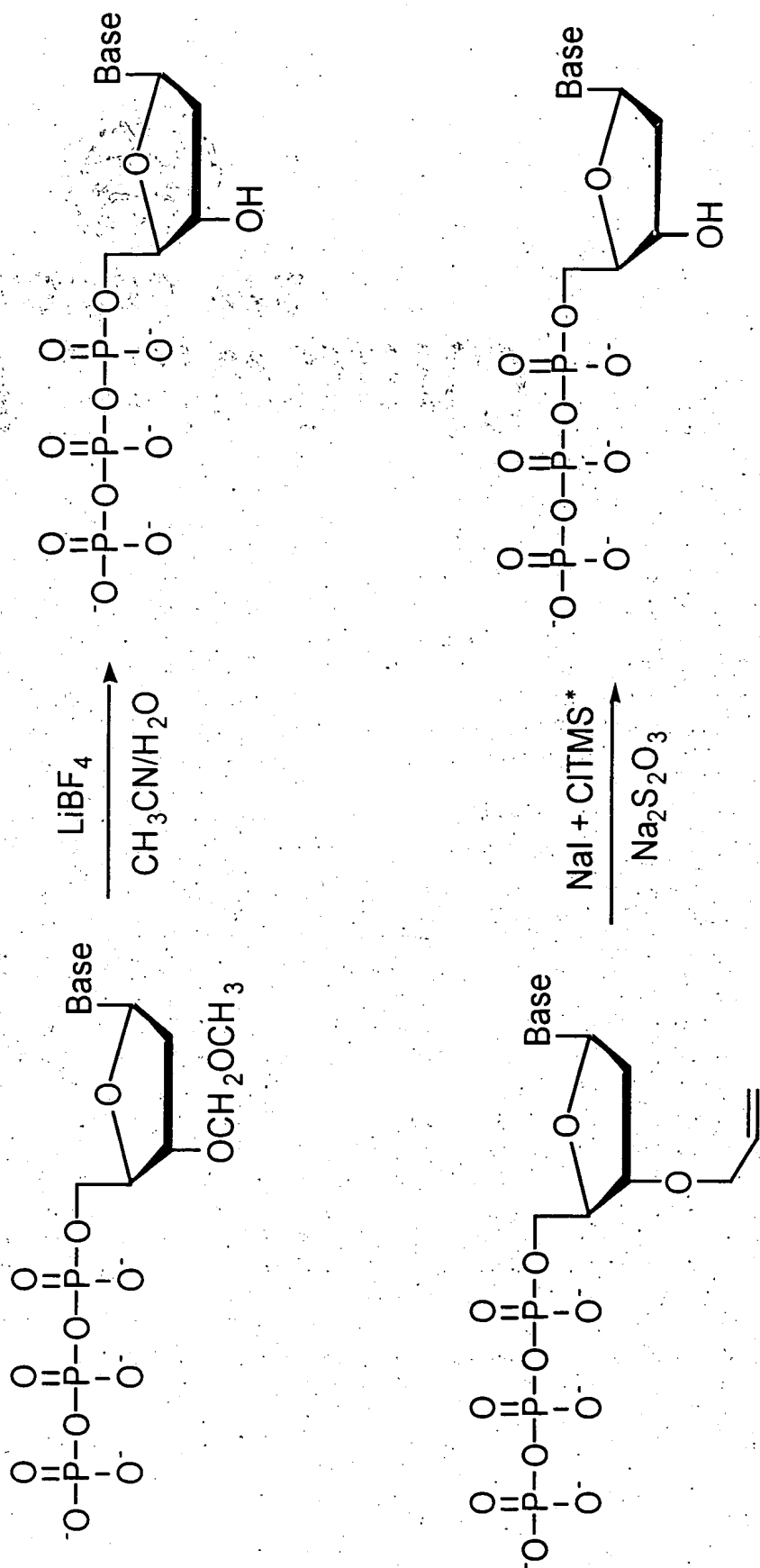


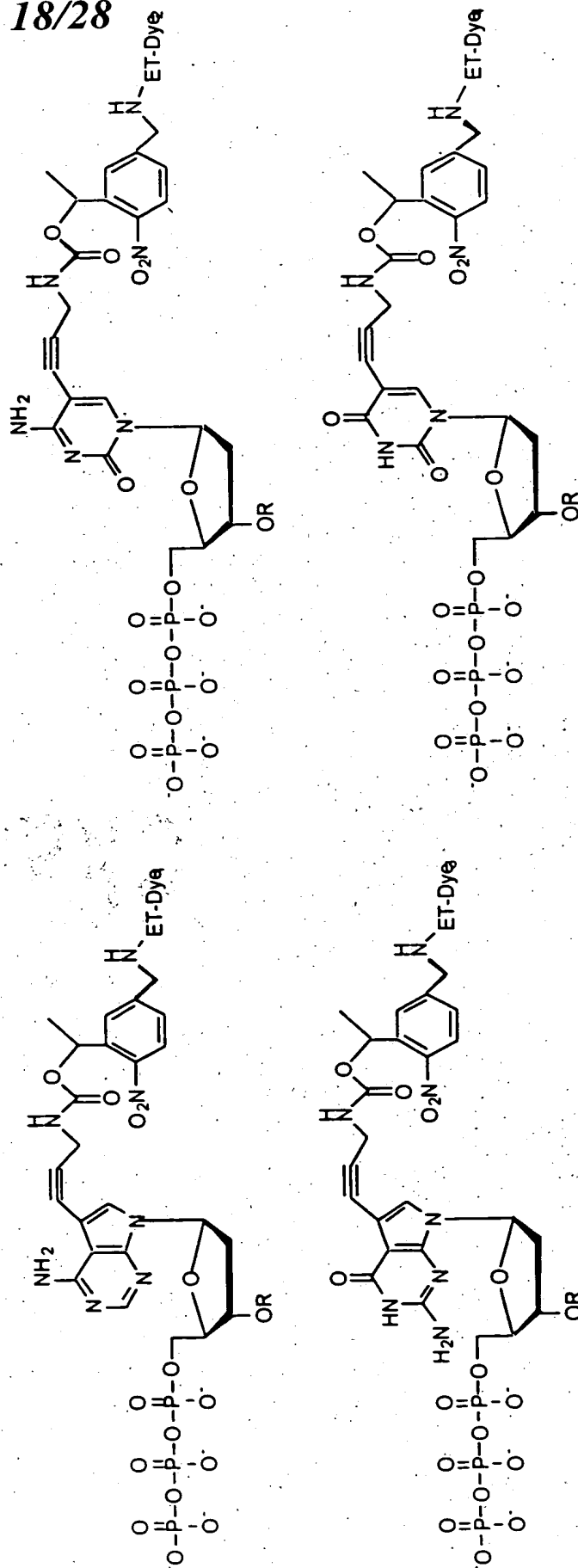
FIGURE 14



*CITMS = chlorotrimethylsilane

FIGURE 15A

18/28



R = H, CH₂OCH₃ (MOM) or CH₂-CH=CH₂ (Allyl)

FIGURE 15B

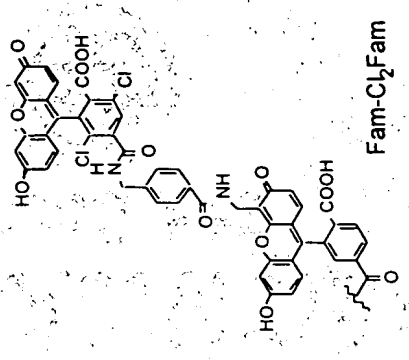
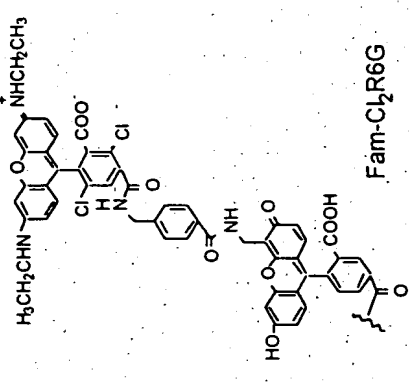
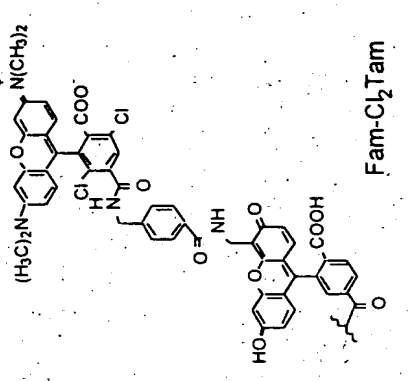
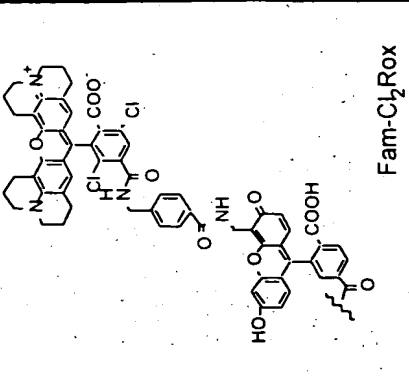
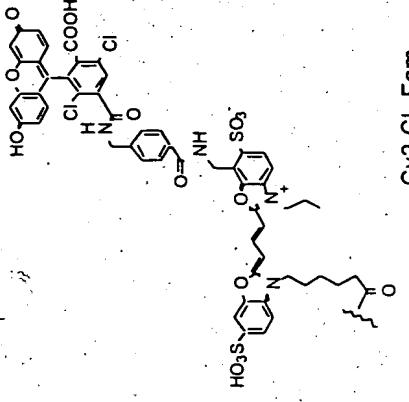
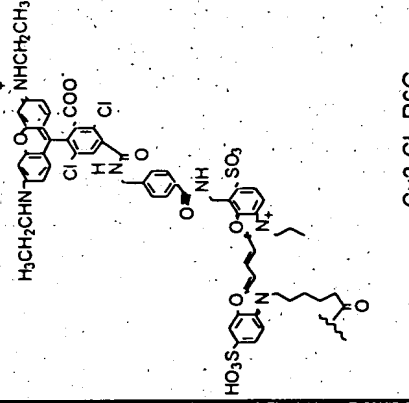
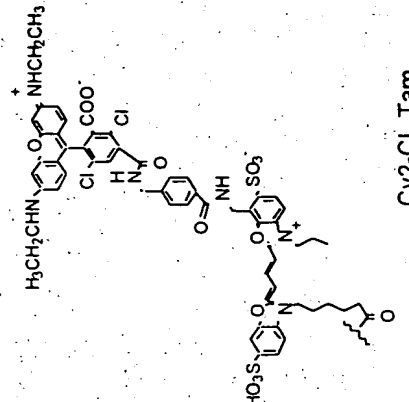
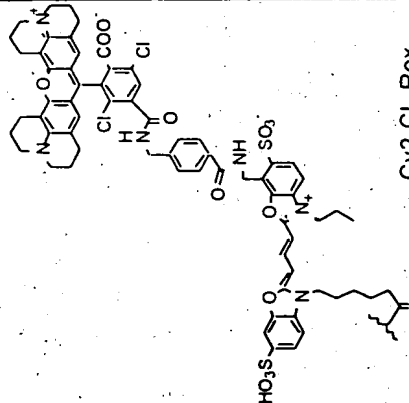
ET Dye ₁ $\lambda_{em} = 530 \text{ nm}$	ET Dye ₂ $\lambda_{em} = 560 \text{ nm}$	ET Dye ₃ $\lambda_{em} = 590 \text{ nm}$	ET Dye ₄ $\lambda_{em} = 620 \text{ nm}$
 <p>Fam-Cl₂Fam</p>	 <p>Fam-Cl₂R6G</p>	 <p>Fam-Cl₂Tam</p>	 <p>Fam-Cl₂Rox</p>
 <p>Cy2-Cl₂Fam</p>	 <p>Cy2-Cl₂R6G</p>	 <p>Cy2-Cl₂Tam</p>	 <p>Cy2-Cl₂Rox</p>

FIGURE 16

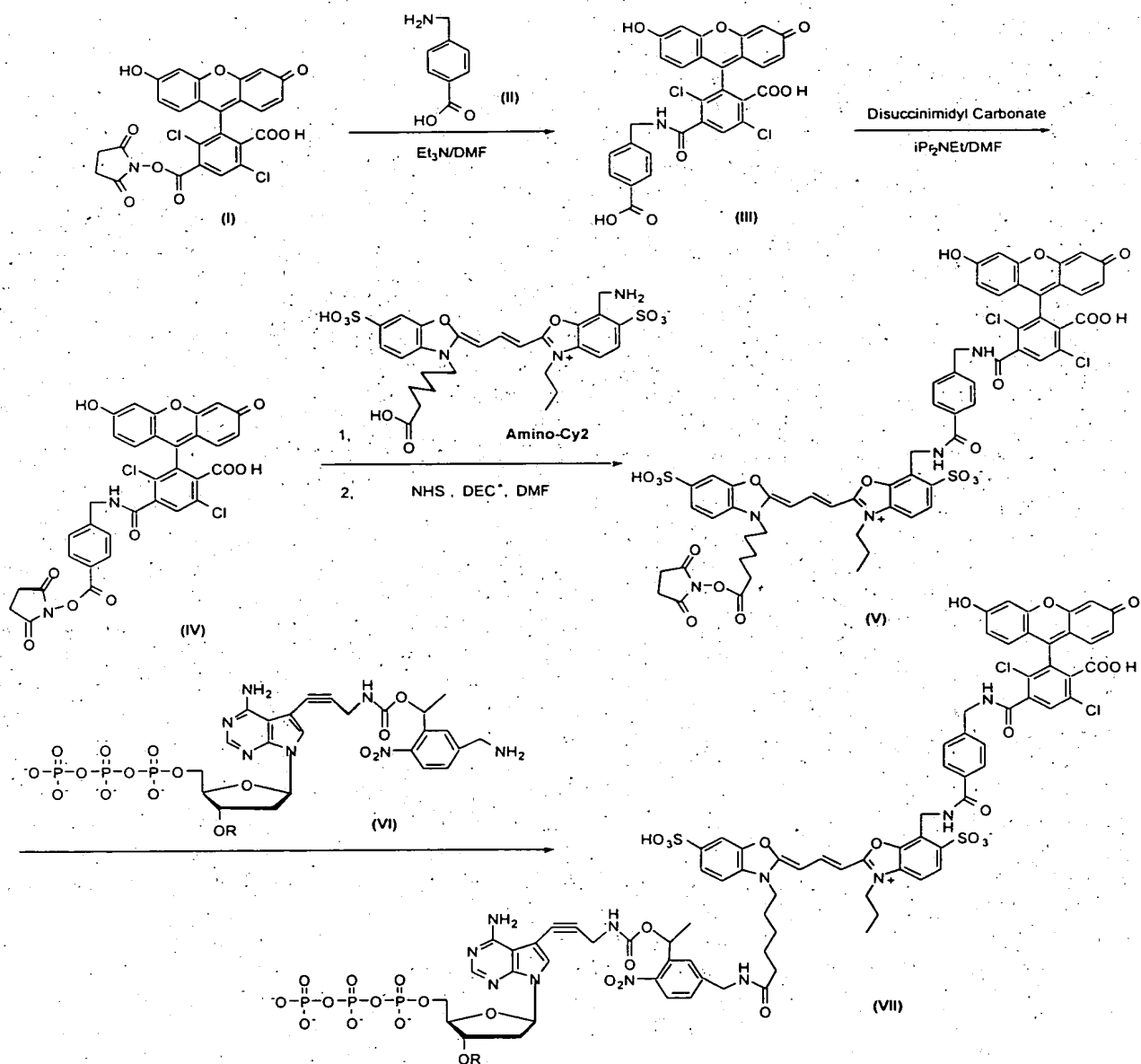


FIGURE 17

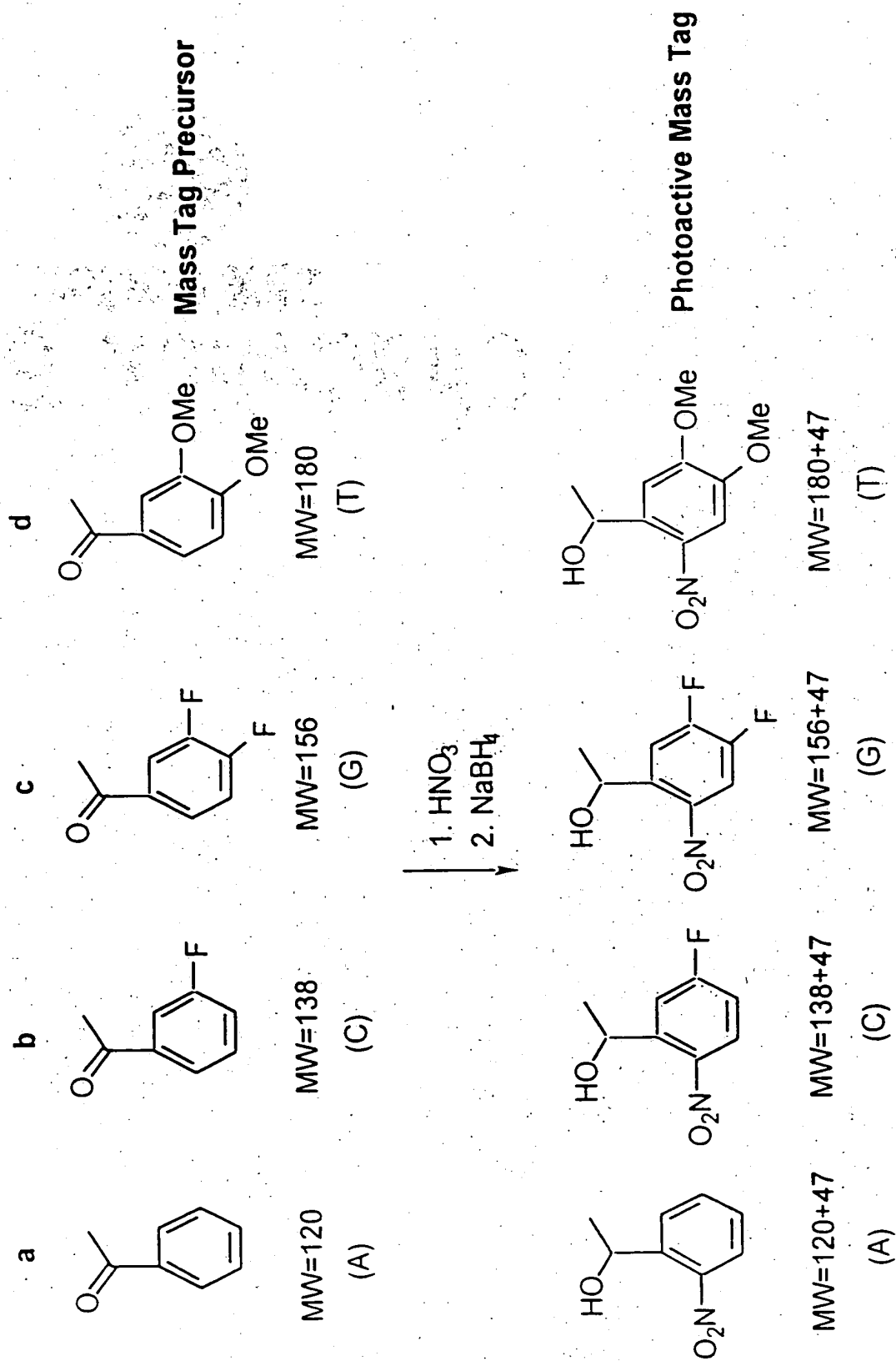


FIGURE 18

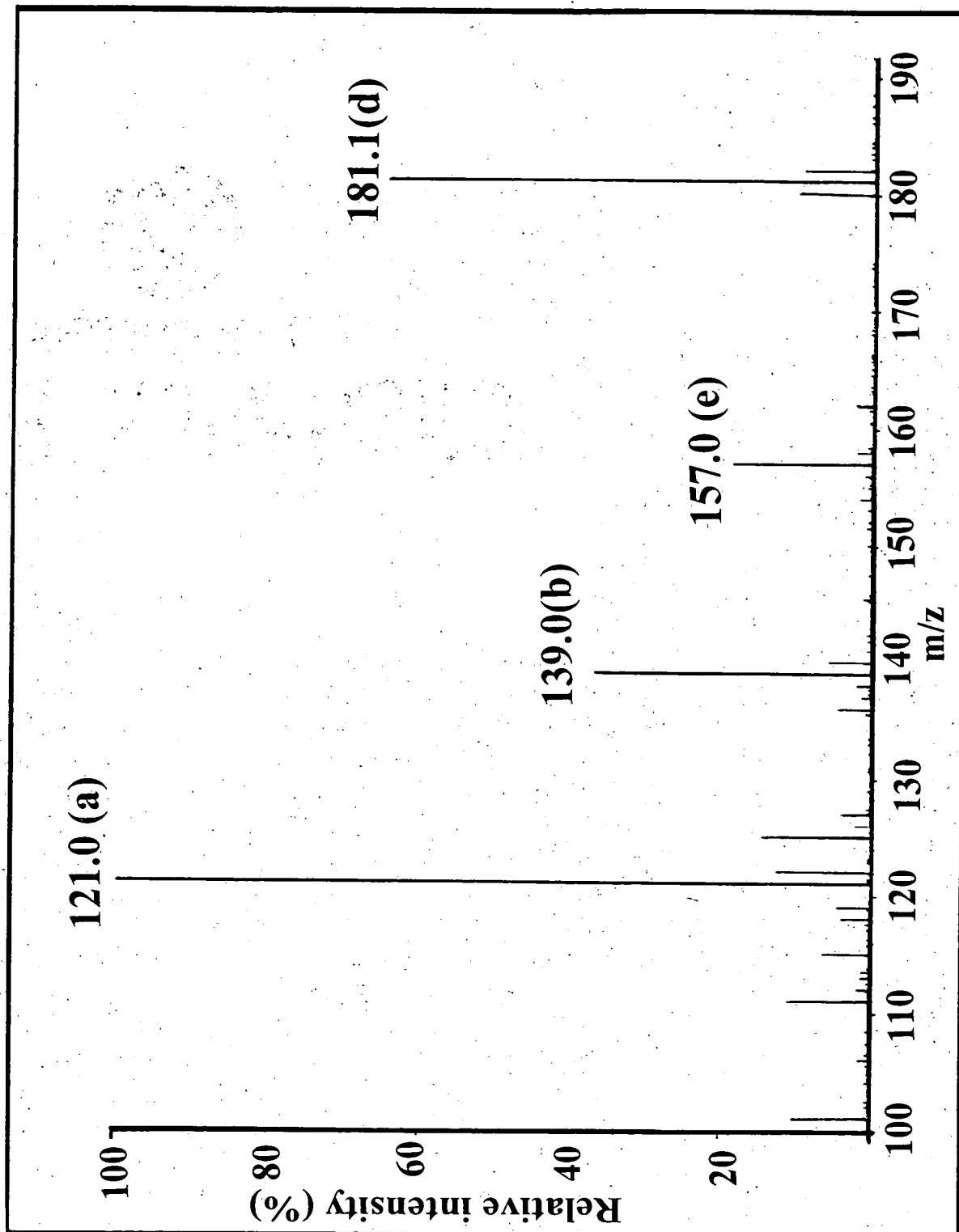
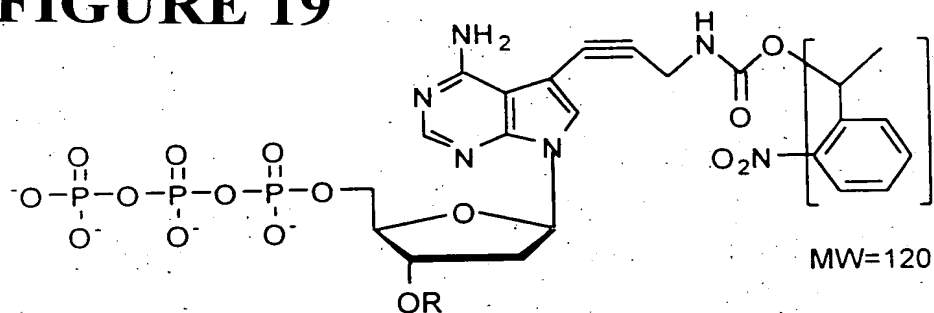
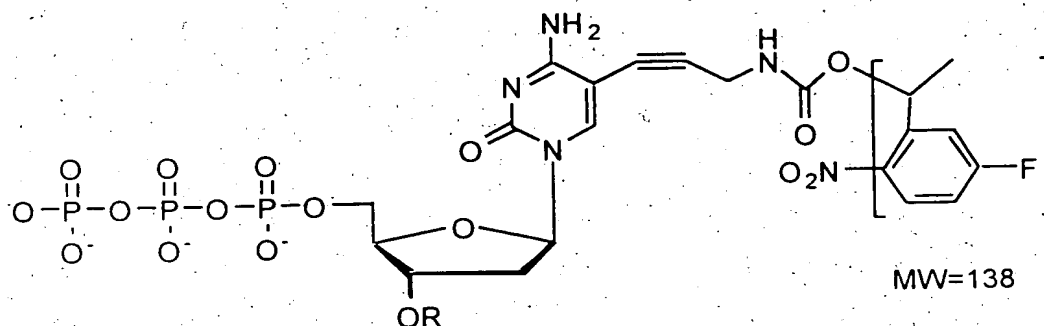
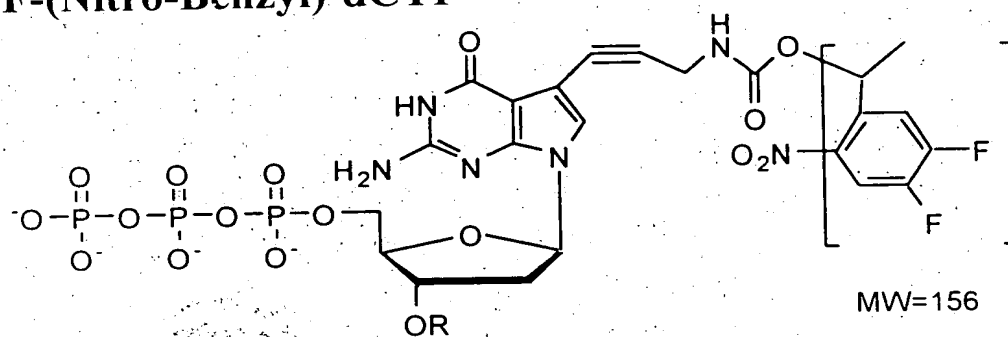
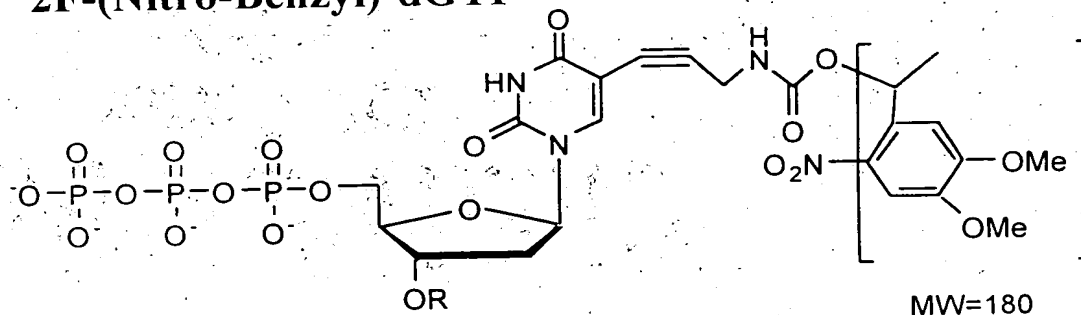


FIGURE 19**(Nitro-Benzyl)-dATP****F-(Nitro-Benzyl)-dCTP****2F-(Nitro-Benzyl)-dGTP****2(Meo)-(Nitro-Benzyl)-dTTP**

R = H, MOM or Allyl

FIGURE 20

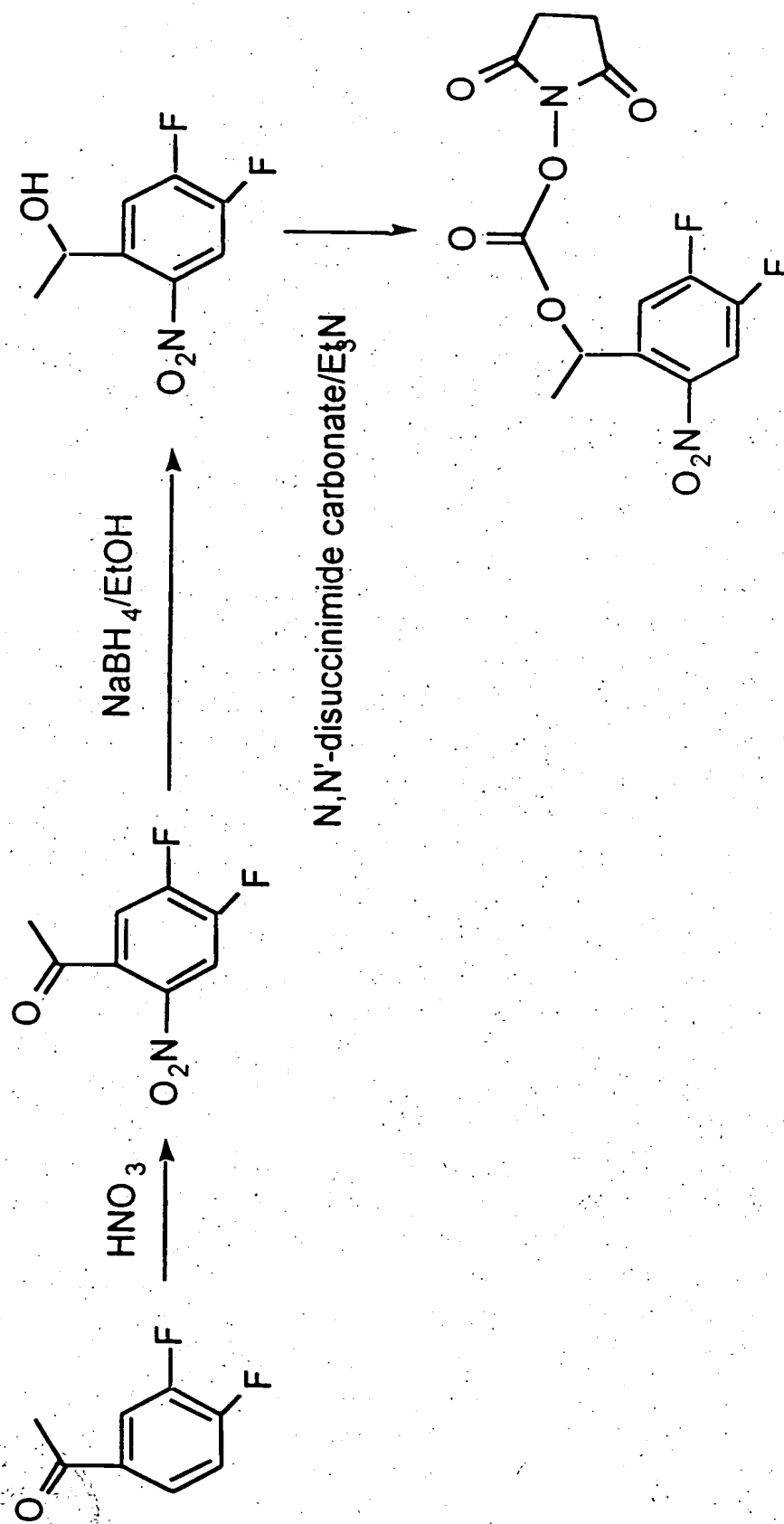
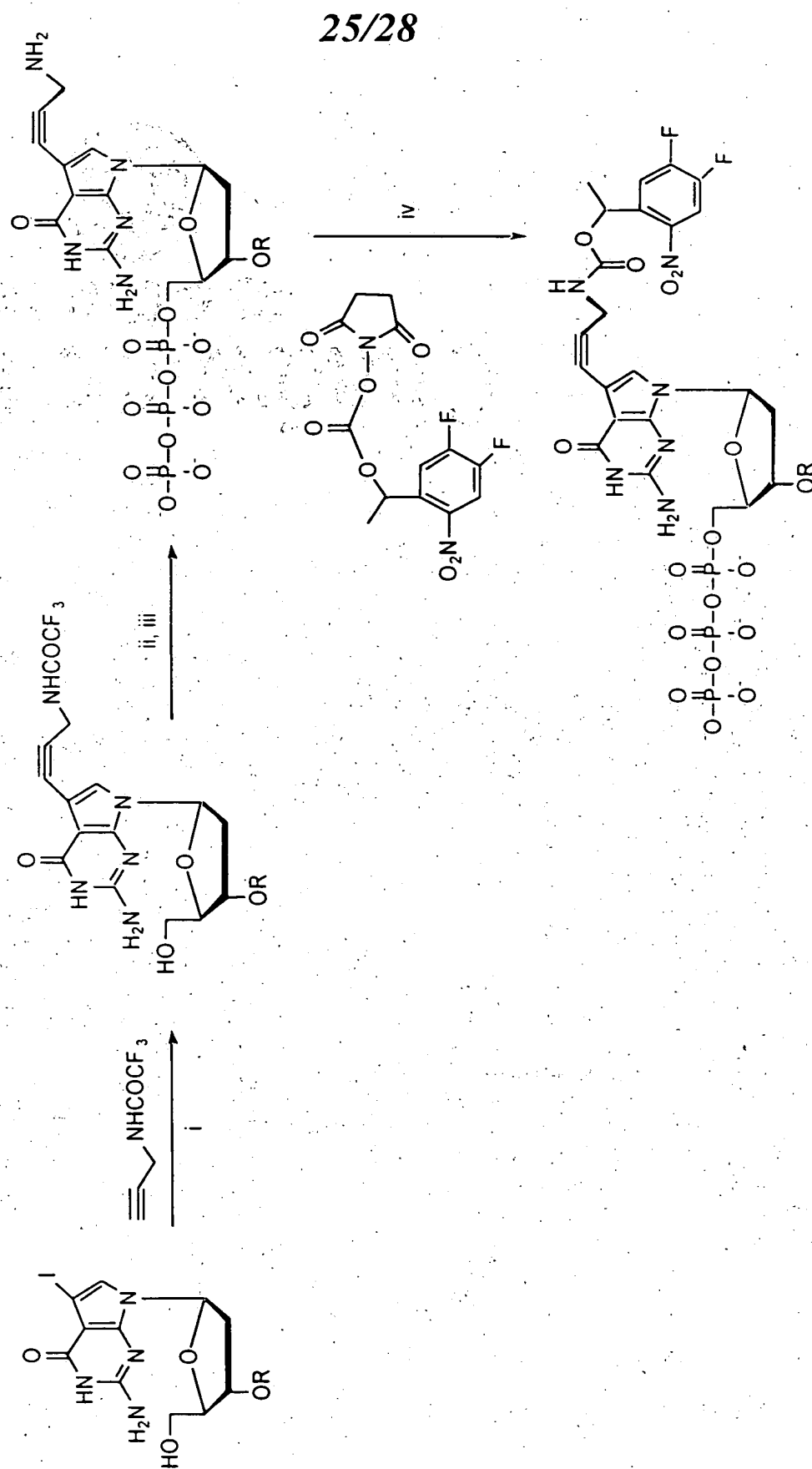


FIGURE 21



26/28

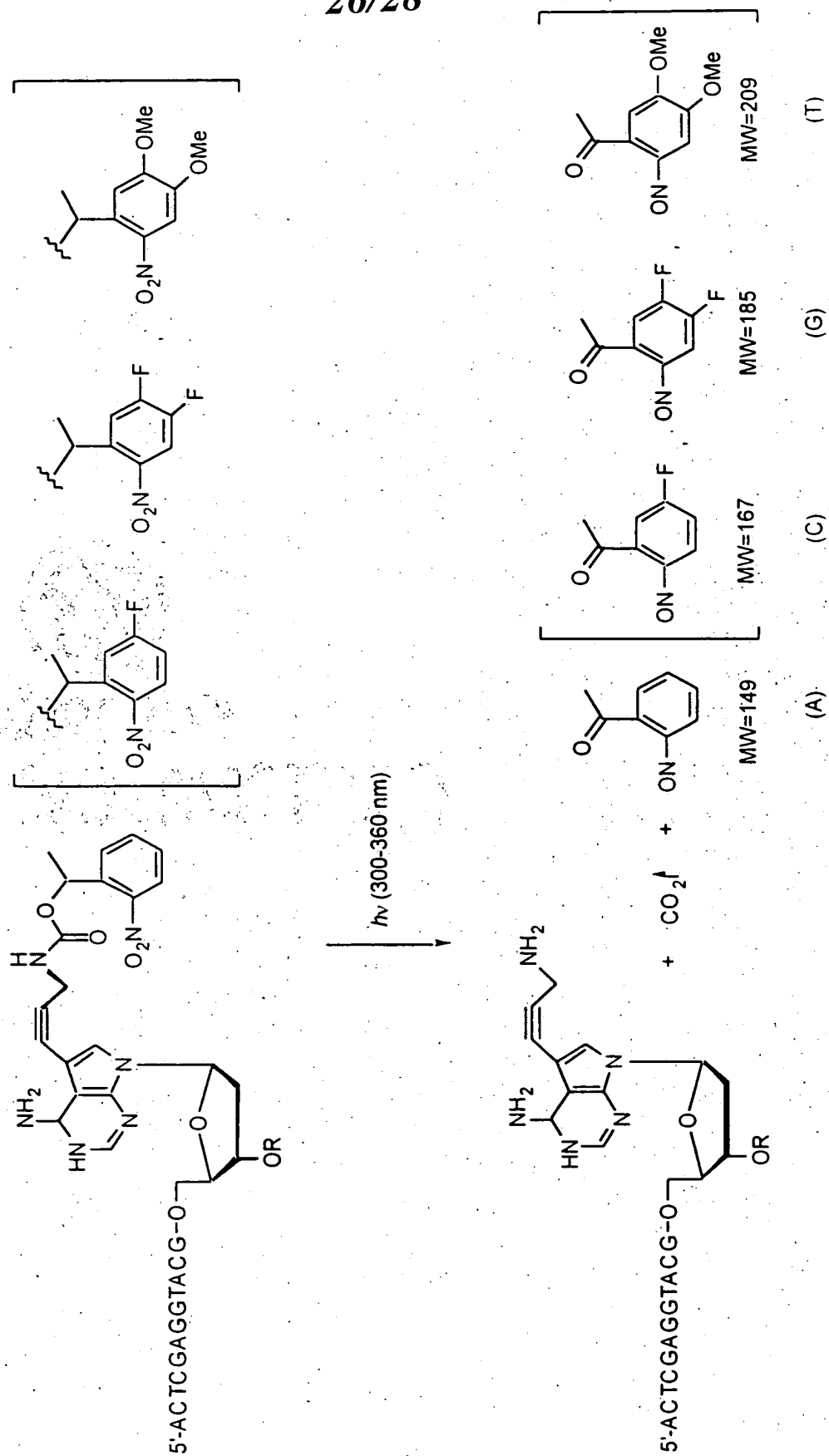


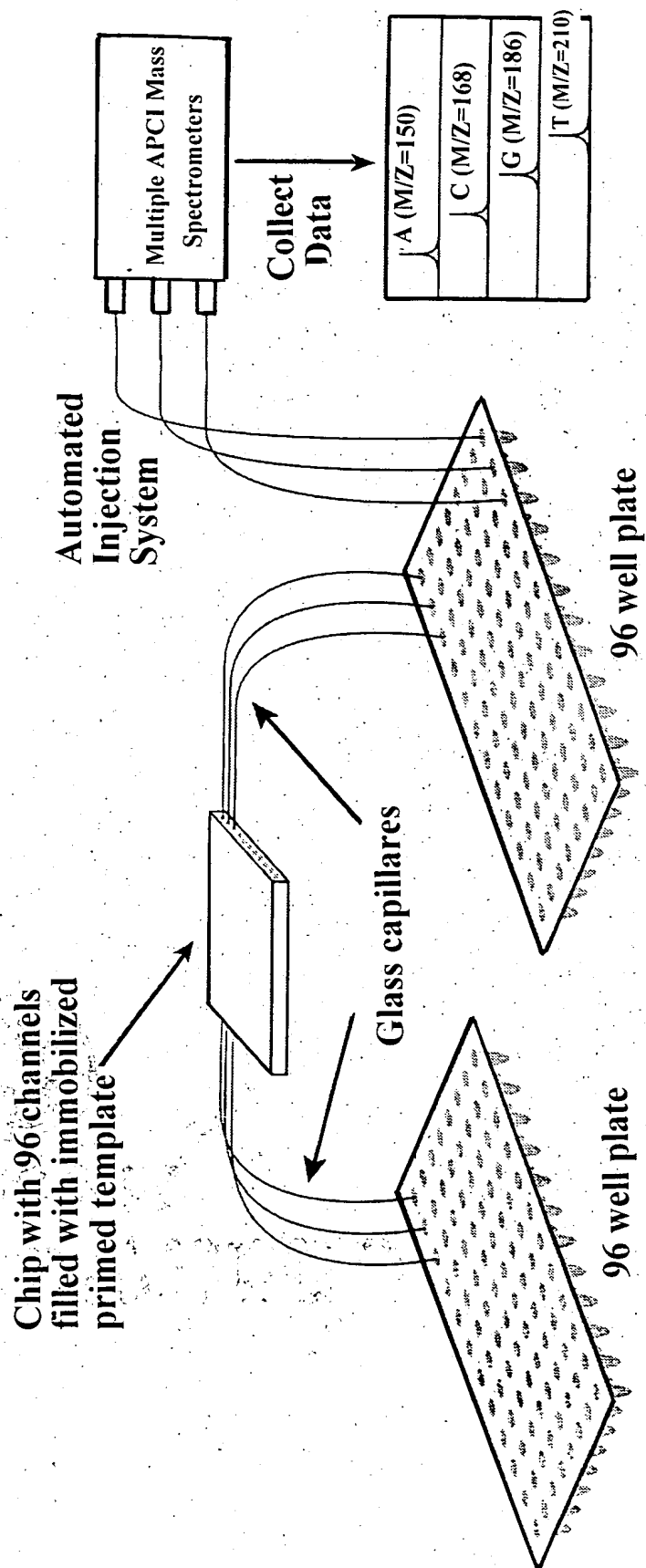
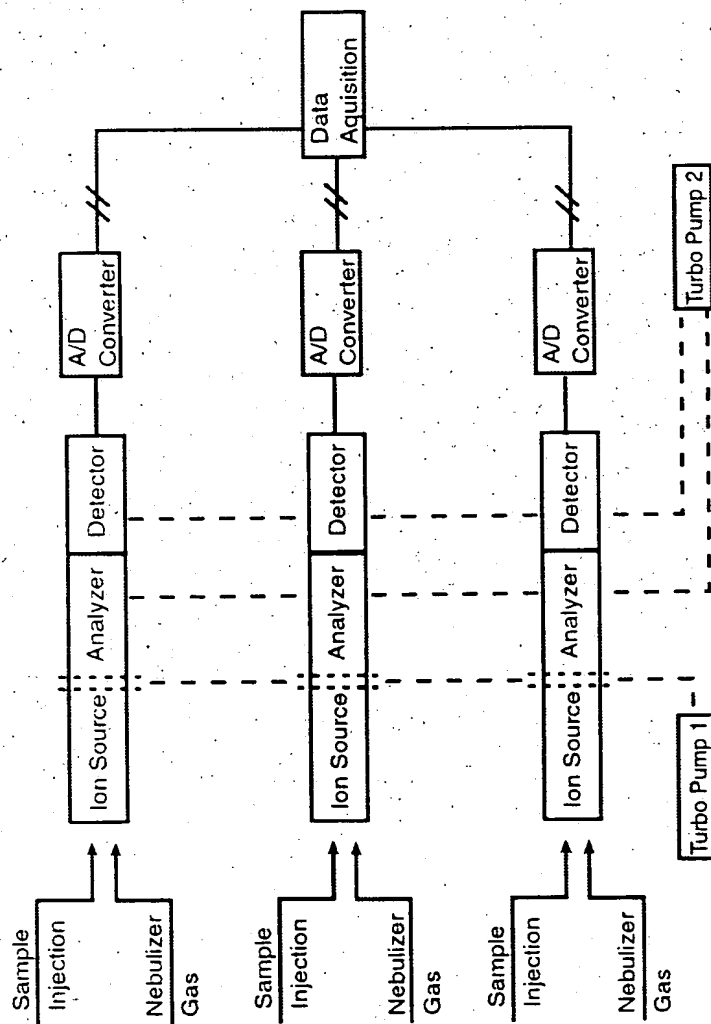
FIGURE 23

FIGURE 24



28/28

